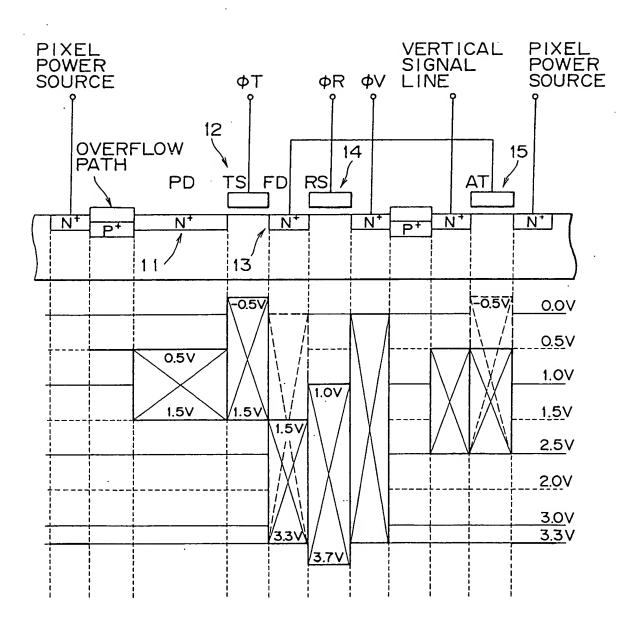
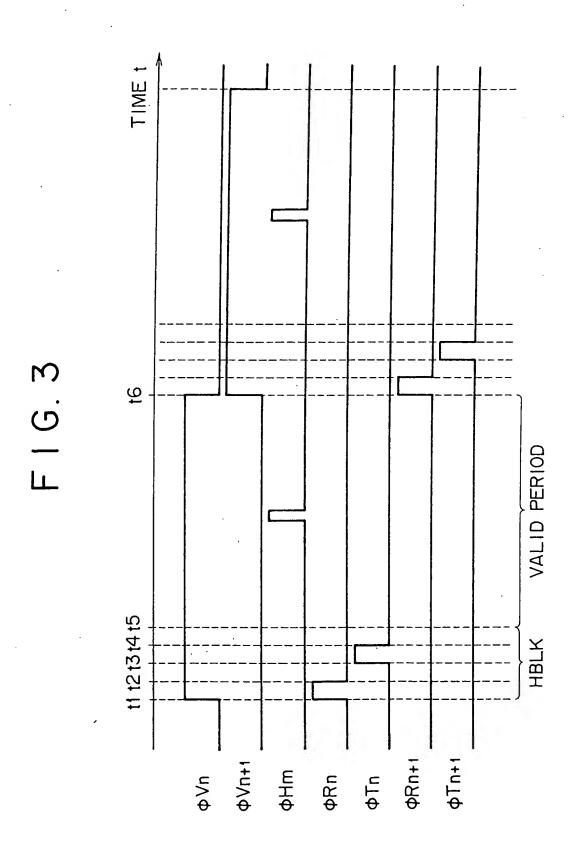


F I G. 2





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F | G. 4A t<t1 NON-SELECTION STATE

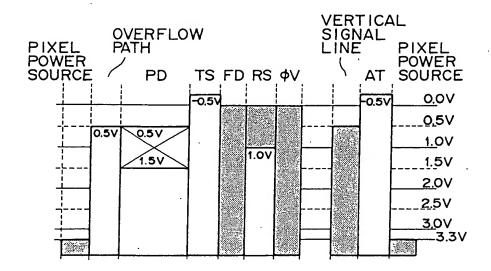


FIG. 4B t1<t<t2 FD RESET

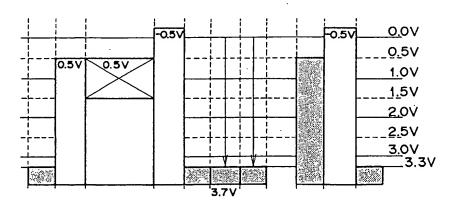
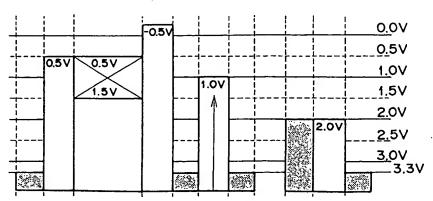
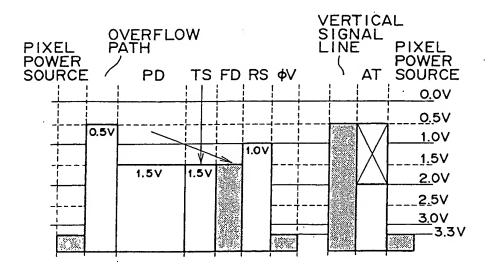


FIG. 4C t2<t<t3 OFFSET LEVEL (NOISE LEVEL)

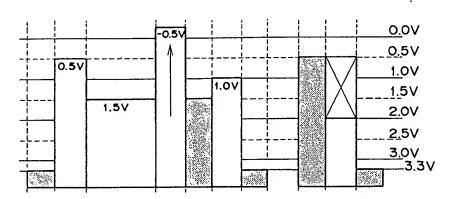


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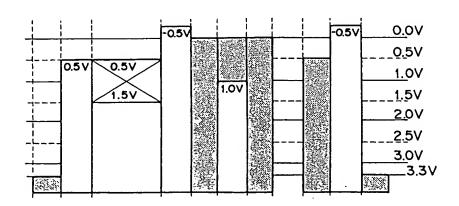
FIG. 5A t3<t<t4 TRANSFER OF SIGNAL CHARGE FROM PD TO FD

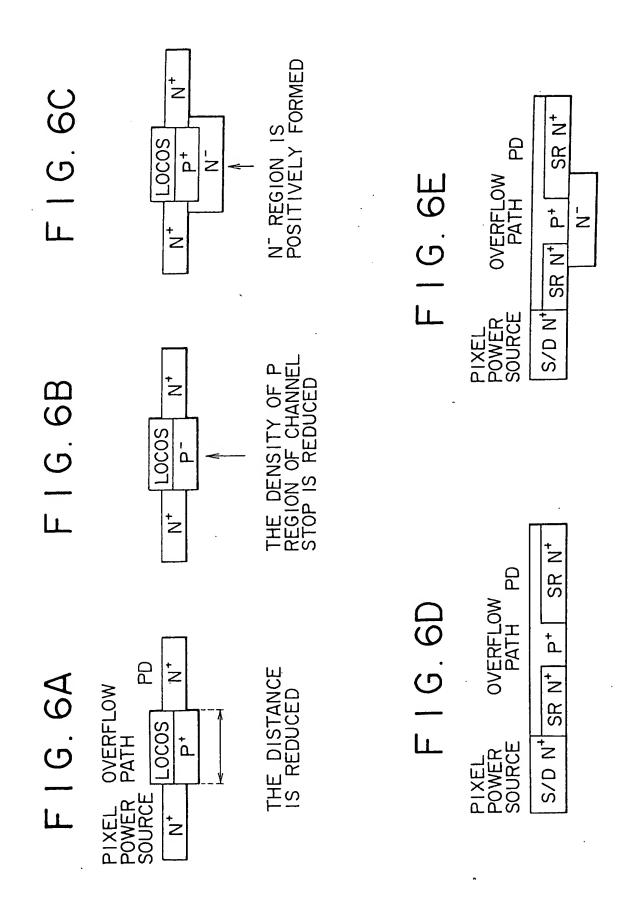


F | G. 5B t4<t <t5 SIGNAL LEVEL READ-OUT

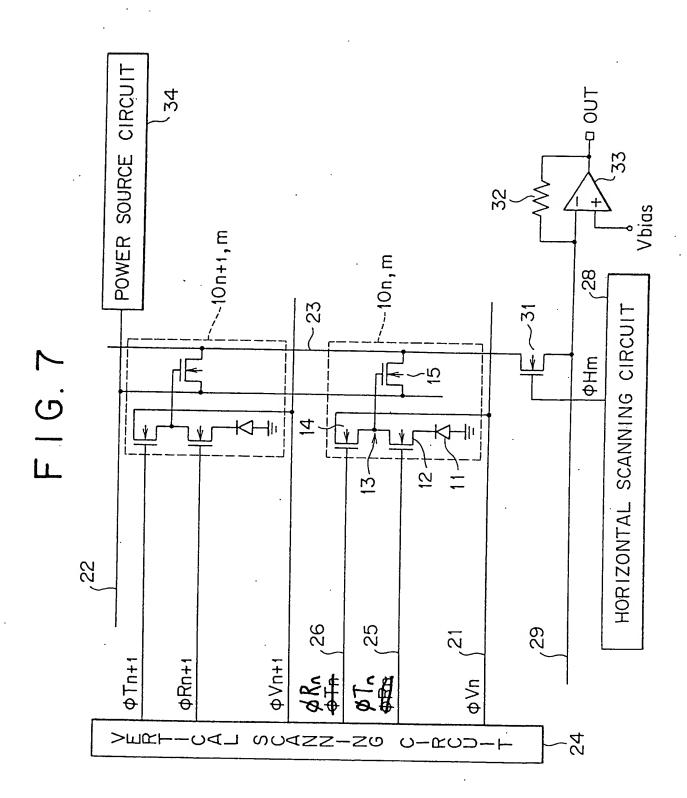


F | G 5C t6<t NON-SELECTION STATE



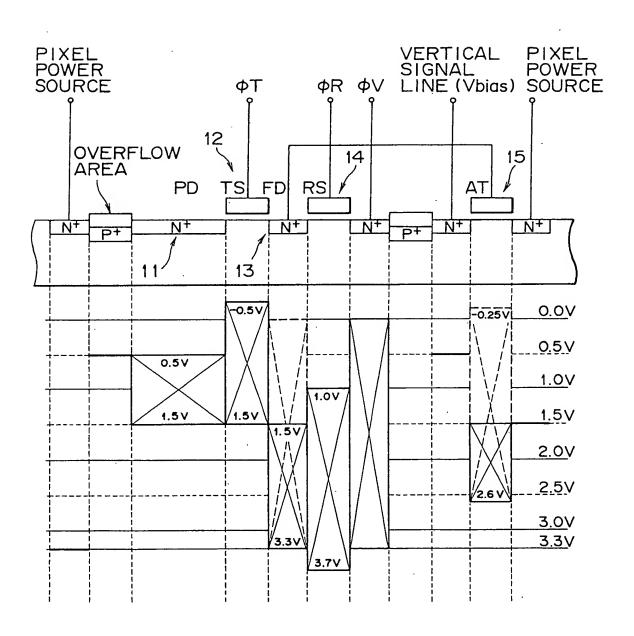


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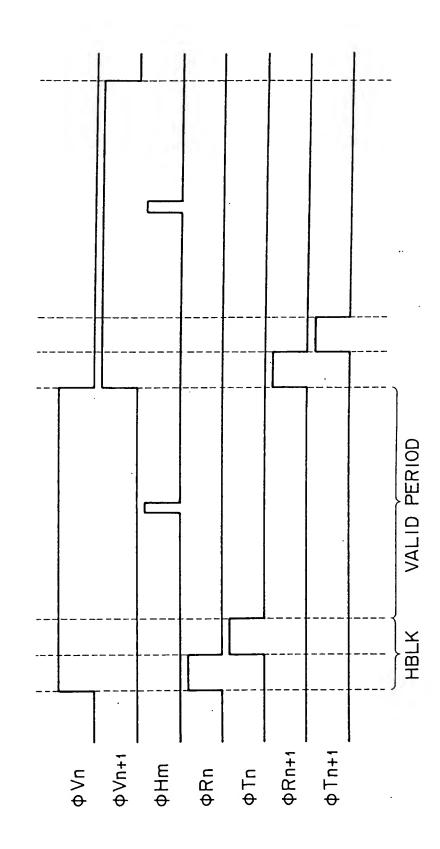


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FIG.8

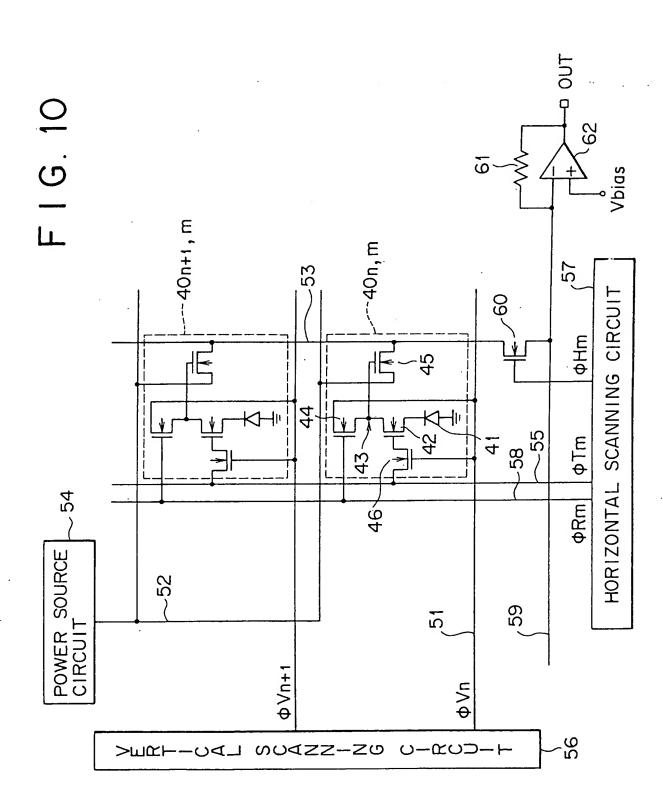


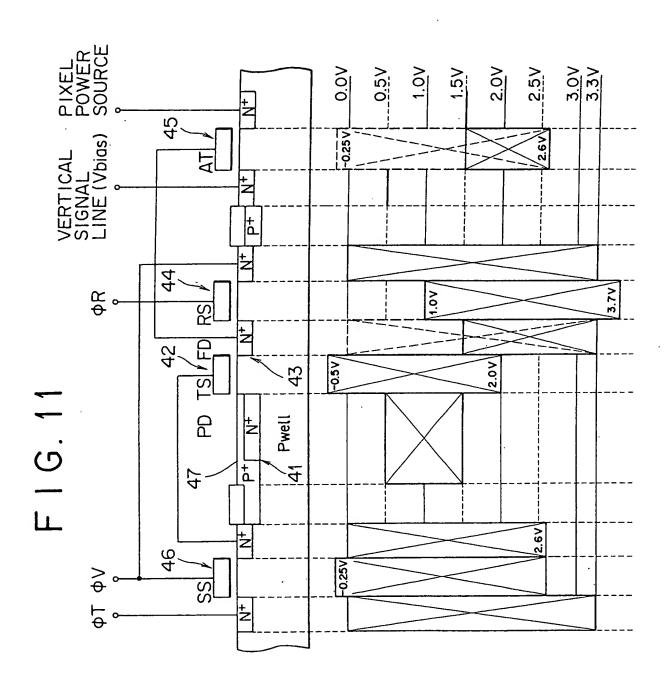
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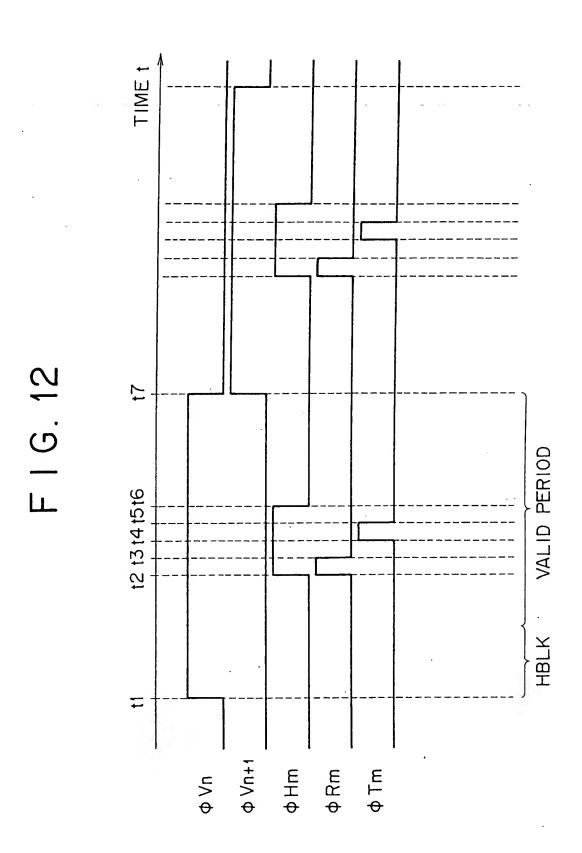
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F I G. 13A t<t1 NON-SELECTION STATE

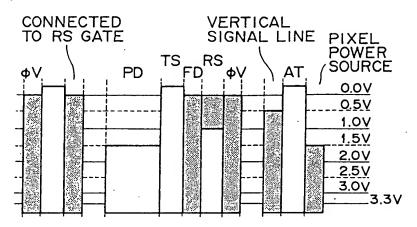
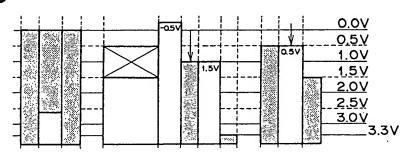
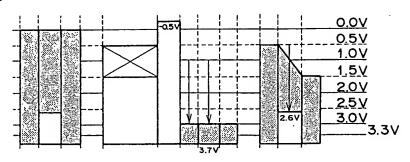


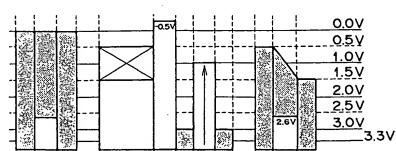
FIG. 13B t1<t<2 SELECTION



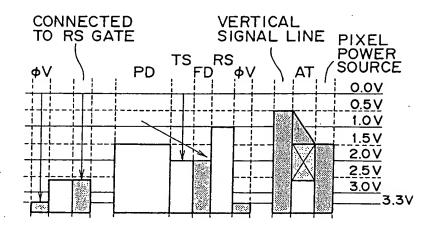
F | G. 13C t2<t<t3 FD RESET



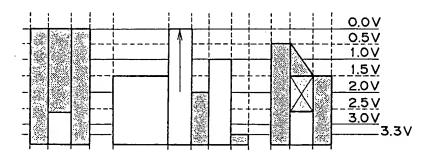
F | G. 13D t3<t<t4 FD RESET



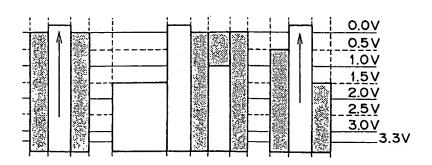
F I G. 14A t4<t<t5 TRANSFER OF STORED CHARGES FROM PD TO FD



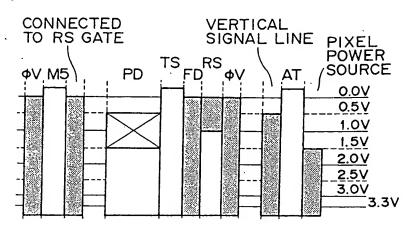
F | G. 14B t5<t<t6 SIGNAL LEVEL READ-OUT



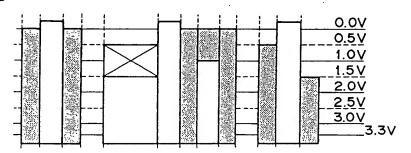
F | G. 14C t7<t NON-SELECTION



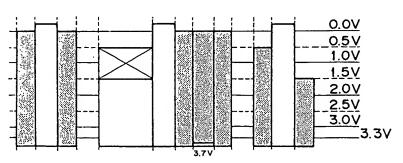
F I G. 15A t<t1



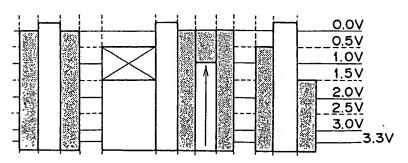
F I G. 15B t1<t < t2



F I G. 15C t2<t<t3

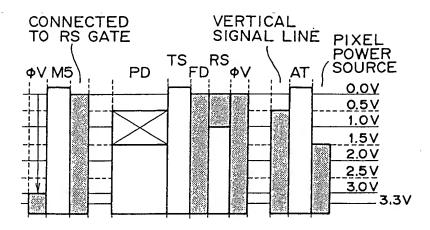


F I G. 15D t3<t<t4

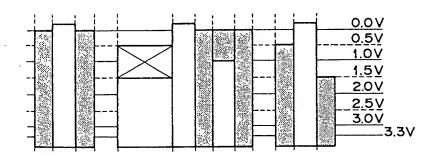


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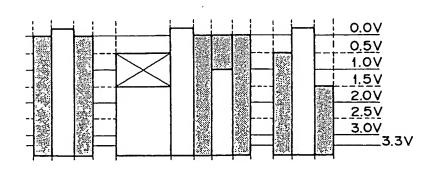
F I G. 16A t4<t<t5



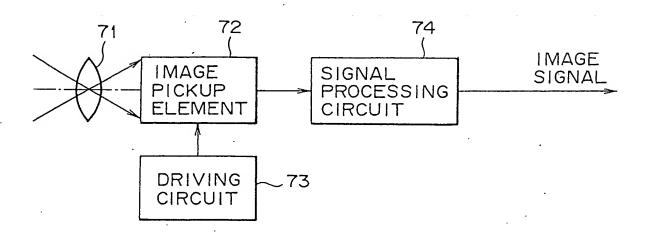
F I G. 16B t5<t<t6



F I G. 16C .t7<t



F I G. 17



F I G. 18

